



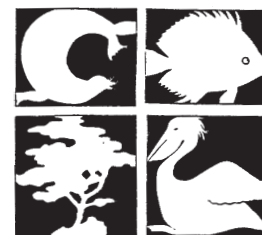
1998 IEEE International Symposium on CIRCUITS AND SYSTEMS

May 31-June 3, 1998

Monterey, California

<http://www.iscas.nps.navy.mil>

FIRST CALL FOR PAPERS



The 1998 IEEE International Symposium on Circuits and Systems will be held in Monterey, California at the Monterey Conference Center, May 31-June 3, 1998. The symposium is sponsored by the **IEEE Circuits and Systems Society** and hosted by the **Naval Postgraduate School**. The symposium will include regular sessions on topics listed below; special sessions on emerging circuits and systems topics; plenary sessions on selected advanced aspects of the theory, design, and applications of circuits and systems; and short courses given by experts in specific state-of-the-art subject areas. The symposium will be organized into parallel lecture sessions and poster sessions. Papers suitable for poster presentations are those that require interactive discussion; otherwise, poster and lecture presentations carry equal weight.

Prospective authors are invited to submit their papers reporting original work as well as tutorial overviews in all areas of circuits and systems. Submissions for regular sessions include, but are not limited to, the following topics:

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1. Analog Circuits and Discrete Systems

- 1.1 Analog circuits and systems
- 1.2 Switched capacitor/current techniques
- 1.3 Amplifiers, oscillators
- 1.4 Solid state circuits
- 1.5 Analog and mixed signal processing
- 1.6 Data conversion and S-D modulation

2. Circuit Theory and Power Systems

- 2.1 Linear and nonlinear circuits and systems
- 2.2 Chaos and applications
- 2.3 Distributed Systems
- 2.4 Power distribution systems
- 2.5 Power electronics and systems

3. VLSI

- 3.1 Analog ICs, digital ICs, and ASICs
- 3.2 Low voltage/low power ICs
- 3.3 GaAs and high speed ICs
- 3.4 Fault tolerant systems
- 3.5 Testing: analog, digital, and mixed

4. Computer Aided Design

- 4.1 Circuit layout
- 4.2 Modeling and simulation
- 4.3 Optimization techniques
- 4.4 Large scale networks
- 4.5 Circuit modeling for electronic packaging
- 4.6 New CAD tools

5. Neural Systems

- 5.1 Neural networks
- 5.2 Cellular neural networks
- 5.3 Biological computing
- 5.4 Fuzzy circuits and systems
- 5.5 Biometrics

6. Digital Signal Processing

- 6.1 Digital filters and filter bank design
- 6.2 Wavelets, multirate signal processing
- 6.3 Parameter estimation
- 6.4 Adaptive signal processing
- 6.5 Multidimensional systems
- 6.6 Fast algorithms

7. Multimedia and Video Technology

- 7.1 Speech processing and coding
- 7.2 Image processing and coding
- 7.3 Video coding & motion compensation
- 7.4 High definition television
- 7.5 Multimedia systems

8. Communication Circuits and Systems

- 8.1 Signal processing for communications
- 8.2 High frequency circuits
- 8.3 Wireless/mobile communications
- 8.4 Optical communications
- 8.5 Underwater communications

9. Computer Communication Systems

- 9.1 High speed modems
- 9.2 Broadband ISDN
- 9.3 Asynchronous transfer mode
- 9.4 Speech and video modeling
- 9.5 Teleconferencing & distance learning
- 9.6 SONET and optics circuits

10. Applications

- 10.1 Sensors
- 10.2 Robotics
- 10.3 Electromechanical systems
- 10.4 Dual use technology
- 10.5 Space systems design

Authors are invited to submit extended summaries (1000-2000 words) of their papers along with a cover sheet for review by the Technical Program Committee. Submissions can be sent to:

ISCAS98 Technical Program Co-Chairs
Department of Electrical and Computer Engineering
Naval Postgraduate School
Monterey, CA 93943, USA

Submissions are accepted in **ONE** of the following two formats only (No FAX submissions please):

- * PDF/Postscript submissions via WWW at <http://iscas.nps.navy.mil/submit/>
- * Five copies of hard-copy submissions by postal mail; please include PDF/PS/DVI file on floppy disk

Submissions
should include:

1) A Cover Sheet containing:

- (i) Title of proposed paper, authors' names and affiliations;
- (ii) Postal address, phone and FAX numbers, and e-mail address of the contact author;
- (iii) Paper category number (from the above list) that best describes the paper; and
- (iv) Choice of presentation (lecture or poster).

2) 1000-2000 word extended summary that includes:

- Paper title, authors' names, affiliations, and addresses; and
Paper category number (from the above list).

Once accepted, authors will be asked to prepare a four-page camera-ready paper for the symposium proceedings.

AUTHORS' SCHEDULE

Deadline for Submission of Summaries
Notification of Acceptance
Deadline for Submission of Camera-ready paper

October 1, 1997
December 15, 1997
January 30, 1998

Proposals for Special Sessions, Plenary Sessions, and half or full-day Short Courses may be submitted to the respective chair by September 15, 1997. Please contact them directly for further information.

Check the symposium web site for up to date information: <http://www.iscas.nps.navy.mil>. Send any general questions to info@iscas.nps.navy.mil. Specific questions to the Organizing Committee members may be directed to the listed e-mail addresses. Conference Secretariat numbers: phone: 408-656-5073; FAX: 408-656-5074.